

(d) a collection container within the enclosure that receives a cell mixture from the multiple trays for harvesting; and

(e) an automation controller that monitors time, media composition ^{and} gases ^{that} controls movement of the ~~metal~~ trays,

wherein the automation controller fills the multiple trays with the water solution, maintains the pH, tilts the multiple trays, and transfers cells to the collection container.

7. ~~21.~~ An automated cell processor as described in claim ~~20,~~ wherein said trays are comprised of metal.

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8. ~~22.~~ An automated cell processor as described in claim ~~21,~~ wherein said metal is stainless steel.

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9. ~~23.~~ An automated cell processor as described in claim ~~20,~~ wherein said water solution enters one end of each tray and waste fluid exits the opposite end of each tray.

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10. ~~24.~~ An automated cell processor as described in claim ~~20,~~ wherein each flow duct levels the solution between adjacent culture plates.

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11. ~~25.~~ An automated cell processor as described in claim ~~20,~~ wherein a surface of each tray is sterilized.

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12. ~~26.~~ An automated cell processor as described in claim ~~20,~~ wherein said mammalian cells are myoblast cells.

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13. ~~27.~~ An automated cell processor as described in claim ~~20,~~ wherein said water solution is dispensed to the trays by jets.

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14. ~~28.~~ An automated cell processor for producing mammalian cells comprising:

(a) a sterile enclosure having controlled gas, temperature and humidity and

(b) multiple trays stacked parallel to each other within the enclosure, each tray comprising multiple culture plates that contain a water solution and each plate in fluid contact with adjacent plates by one or more flow ducts,

wherein a fluid is automatically dispensed into the trays and waste fluid is removed from the trays by tilting the trays.

2. ²⁹ An automated cell processor as described in claim ²⁸, wherein said trays are comprised of metal.

3. ³⁰ An automated cell processor as described in claim ²⁹, wherein said metal is stainless steel.

4. ³¹ An automated cell processor as described in claim ²⁸, wherein said fluid enters one end of each tray and said waste fluid exits the opposite end of each tray.

5. ³² An automated cell processor as described in claim ²⁸, wherein one or more of said flow ducts levels said water solution between adjacent culture plates. --